Approved For Release 2002/06/17: CIA-RDP78B04747A000700020016-6

BPIC/PADE-6-097 11 October 1956

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	MENORANDUM POR	Birector, Estional Photographic Interpretation Center						
	ATTEMPION:	Chief, Logisties Branch, 29						
	THROUGH:	Chief, Support Staff, NPIC						
_	Subject -	Request for Approval of Change in Scope on GEMS Development Project with						
	BEVERENCE:	Chief, Administrative Staff, O/DDI Memorandum of Approval of R&D Activities.						
	1 Is 1965, MFIC contracted with for Greded Estimate Measuring Samples (CEMS) Development for fine objective of the project is to determine how well the image quality of mindion photography can be assessed by comparing it with GEMS. One large, integral part of the work is to print in the laboratory 1024 GEMS to be used as the basic CEMS matrix to selectively assert against mission photography on a GEMS comparator. Production of MEIS large CEMS matrix has not been initiated but is scheduled to begin very soon: the metrix above will cost about A GEMS comparator designed to use this many GEMS has been estimated to cost whenever it would be developed. 2 nas suggested a technique which, if fensible, would eliminate the need for such a large GEMS matrix, not only in the prototype system to be developed under this contract, but in subsequent operational systems. The proposed technique would require only a few GEMS (perhaps as few as 6-10). This technique suggests that the operator bimself could make "optical" CEMS in real time for comparison against his mission material rather than him having to make a selection from the 1022 CEMS matrix as designed in the system now under development. 3. This alternate GEMS technique appears to be technically sound. but it has not been investigated experimentally in the laboratory. Therefore,							

Declass Review by NIMA/DOD

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Excluded from automatic downgracing and declassification

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